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Testing Procedures

Overview:

The purpose is to define the procedures, tools and methodologies that will be used to assure that several types of tests will be created and will evolve with the software developed within the LCG App. Area projects.

Frameworks for Testing:

Currently four test-framework tools are provided as free software by the SPI External Software Service. These are: Cpp Unit and Py Unit for unit-tests, Oval which can cover from unit to validation tests, and QMTest which provides more than a gui interface to organize and run the tests. A set of short documents listed below are available and can help with this tools.

Testing Guides

- Guide on Unit and Integration Testing
- Testing frameworks available:CppUnit , Oval, Py Unit, QM Test

Testing documentation and planning:

- testplan_template.html.- The main purpose of this document is to define and schedule the testing process with all necessary resources (hardware, software and staff responsabilities). Under test leader responsability. (Examples: POOL)
- testcase_template.html or test case specification is a specific set of steps and data along with the expected results for a particular test objective

Support:

If you need to report a bug or ask for support, please use the **SPI Project Portal** with the **bug** report system and **support area**.

Testing Policies:

Software testing policies within LCG App Area projects.

-- AlbertoAimar - 05 Aug 2005

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